



## Tree Assessment Matrix

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Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
Z1	Ponderosa Pine 0	27.0		27.0	2 Poor	4 Good	Low		Given the trees poor health, removal should be considered.
Notes/ Defects	Significant Western gall rust infection. Whole tree failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
Z2	Ponderosa Pine 0	30.0		30.0	2 Poor	3 Fair	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Hip canker present at 10'. Whole tree failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								





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<b>Z3</b>	Ponderosa Pine 0	27.0		27.0	3 Fair	3 Fair	Low		Side pruning for clearance off of lines is feasible.
<b>Notes/ Defects</b>	Small canker at 20'. Top is somewhat slender. Top failure is possible. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
<b>Z4</b>	Ponderosa Pine 0	30.0		30.0	3 Fair	3 Fair	Low		Side pruning for clearance off of lines is feasible.
<b>Notes/ Defects</b>	Top is somewhat slender. Top failure is possible. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



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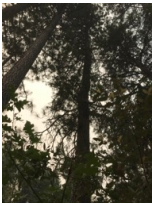
Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
4	Ponderosa Pine 0	44.0		44.0	2 Poor	3 Fair	Low		Tree has a low likelihood of surviving a year.
Notes/ Defects	Significant red turpentine beetle infestation. Significant Western gall rust. Branches over hanging lines. Stem is within 12' of lines. Large branch failure is possible with a medium likelihood of striking the lines. The consequences would likely be severe. If the tree dies, it would be an extreme risk tree.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
Z5	Ponderosa Pine 0	58.0		58.0	2 Poor	2 Poor	Low		A span of cable could be installed. Residual risk would be low.
Notes/ Defects	Likely two separate trees given the species. The shorter tree is low risk. Codominant leaders at 50'. Top failure is possible. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
5	Ponderosa Pine 0	30.0		30.0	3 Fair	3 Fair	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Western gall rust present. Crook in stem at 40'. Slender top. Stem failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
6	Ponderosa Pine 0	24.0		24.0	3 Fair	3 Fair	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Stem is within 12' of the lines. Species lacks latent buds. Branches over lines. Slender with lean over lines. Stem failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
7	Ponderosa Pine 0	34.0		34.0	3 Fair	4 Good	Low		Tree stem is within minimum legal distance to lines.
Notes/ Defects	Stem is within 4' of the lines. Species lacks latent buds. Branches over hang the lines. Stem failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
8	Ponderosa Pine 0	27.0		27.0	2 Poor	2 Poor	High		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Stem is within 4' of the lines. Species lacks latent buds. Significant Western gall rust infestation. Codominant leaders with bark inclusion present. Slender stem with lean over lines. Stem failure is probable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



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Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
9	Ponderosa Pine 0	50.0		50.0	2 Poor	2 Poor	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Stem is within 12' of the lines. Species lacks latent buds. Branches over lines. Significant Western gall rust infestation. Codominant leaders present. Slight lean over lines. Top failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
10	Incense Cedar 0	27.0		27.0	3 Fair	4 Good	Low		Tree stem is within minimum PG&E desired distance to lines.
Notes/ Defects	Cedar scale and cedar rust present. Stem is within 12' of lines. Species lacks latent buds. Stem failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								





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Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
11	Ponderosa Pine 0	23.0		23.0	4 Good	4 Good	Low		Branches could be reduced and removed to obtain 12' of foliage clearance.
Notes/ Defects	Stem is within 12' of lines. Species lacks latent buds. Stem failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
12	Oracle Oak 0	14.0		14.0	4 Good	3 Fair	Low		Leaders could be reduced to Western laterals. Adjacent cedar could be removed.
Notes/ Defects	Some leaders within 12' of lines. Leader failure is possible. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
14	Sugar Maple <i>Acer saccharum</i>	9.0		9.0	3 Fair	3 Fair	Moderate		Tree could be headed at any height and would have a high likelihood of surviving.
Notes/ Defects	Slender leader. Not an appropriate species for its location. Stem failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
15	Incense Cedar <i>O</i>	22.0		22.0	3 Fair	3 Fair	Low		Tree could be removed in favor of retaining the adjacent incense cedar.
Notes/ Defects	Root crown was partially buried with organic matter. Cedar scale present. The stem is within 12' of lines. Species lacks latent buds. Stem failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								







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Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
16	Incense Cedar 0	19.0		19.0	3 Fair	3 Fair	Low		Branches can be reduced and removed to attain 12' of clearance.
Notes/ Defects	Root crown is partially buried with organic matter. Cedar scale present. Stem is close to 12' to lines. Species lacks latent buds. Stem failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
18	Ponderosa Pine 0	17.0		17.0	3 Fair	4 Good	Low		Tree stem is within minimum PG&E desired distance to lines.
Notes/ Defects	Stem is within 12' of the lines. Species lacks latent buds. A significant portion of the canopy would need to be removed to obtain 12' of clearance. Stem failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								





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Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
19	Ponderosa Pine 0	7.0		7.0	2 Poor	2 Poor	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Tree is slender. Stem is within 12' of lines. Stem failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
20	Ponderosa Pine 0	11.0		11.0	3 Fair	2 Poor	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Tree is slender. Stem is 12' to lines. Stem failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



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Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
40	Ponderosa Pine 0	39.0		39.0	3 Fair	4 Good	Low		Branches could be removed and reduced. The tree would likely survive pruning.
<b>Notes/ Defects</b>	Western gall rust present. Branches over hanging lines. Whole tree failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
45	Incense Cedar 0	40.0		40.0	2 Poor	2 Poor	Low		Tree could be reduced further and would likely survive.
<b>Notes/ Defects</b>	Top was removed and antenna installed. Tree has a history of branch failures. Tree could live for more than a decade. Branches failures are probable though they have a very low likelihood of striking lines. Whole tree failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
48	Ponderosa Pine 0	29.0		29.0	3 Fair	3 Fair	Low		Tree could be retained with no action.
Notes/ Defects	Old stem removal on South West side of lower trunk. Whole tree failure is improbable. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
84	Ponderosa Pine 0	44.0		44.0	3 Fair	3 Fair	Low		Tree could be retained with no action.
Notes/ Defects	Significant Western gall rust is present. The tree could survive for more than a decade. Slight sweep in stem. Whole tree failure is improbable. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
86	Ponderosa Pine 0	42.0		42.0	2 Poor	4 Good	Low		Tree could be retained with no action.
<b>Notes/ Defects</b>	Significant Western gall rust infestation. Tree could survive for more than a decade. Whole tree failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
88	Ponderosa Pine 0	38.0		38.0	3 Fair	2 Poor	Low		No reasonable mitigation option would significantly reduce risk & maintain health.
<b>Notes/ Defects</b>	Significant Western gall rust present. Significant crown weight over cemetery, paralleling the lines. Whole tree failure is possible. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



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Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
89	Ponderosa Pine 0	47.0		47.0	3 Fair	3 Fair	Moderate		Top could be inspected to determine likelihood of failure. Top could be reduced.
Notes/ Defects	Slender top. Stem is within 12' of lines. Species lacks latent buds. Branches extend over lines. Historic pitch moth larvae feeding sites. Top failure is possible. If failure were to occur it would have a high likelihood of striking the lines or home/cars. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
90	Ponderosa Pine 0	39.0		39.0	3 Fair	2 Poor	Moderate		Tree could be cabled. The residual risk would be low.
Notes/ Defects	Historic pitch moth larvae feeding sites. 150' tall with codominant leaders at 110'. 70' to lines. Top failure is possible. If failure were to occur it would have a high likelihood of striking the lines or home. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
128	Ponderosa Pine 0	50.0		50.0	2 Poor	3 Fair	Low		A span of cable could be installed.
<b>Notes/ Defects</b>	Significant Western gall rust infestation. Tree could easily survive for a decade. Tree has codominant leaders at 95', is 160' tall, and 130' from lines. Whole tree failure is improbable. Top failure is possible. If failure were to occur it would have a low likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
134	Ponderosa Pine 0	45.0		45.0	3 Fair	3 Fair	Low		Tree could be retained with no action.
<b>Notes/ Defects</b>	Western gall rust and historic pitch moth larvae sites present. Slight top sweep towards lines. Stem failure is improbable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
136	Incense Cedar 0	24.0		24.0	3 Fair	2 Poor	High		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Tree has slender sweeping top. Stem failure is probable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
140	Ponderosa Pine 0	41.0		41.0	3 Fair	2 Poor	High		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Significant lean. Outward symptoms of a significant defect in lower trunk. Whole tree failure is probable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								





Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
141	Ponderosa Pine 0	34.0		34.0	3 Fair	2 Poor	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
<b>Notes/ Defects</b>	Significant lean with slender top that has symptoms of compromised structural integrity. Stem failure is probable. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



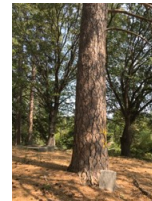
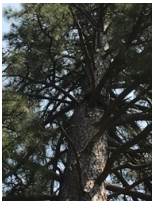
Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
143	Ponderosa Pine 0	21.0		21.0	2 Poor	3 Fair	Low		No reasonable mitigation option would significantly reduce risk & maintain health.
<b>Notes/ Defects</b>	Slender top. Top failure is possible. If failure were to occur it would have a medium likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
144	Ponderosa Pine 0	43.0		43.0	3 Fair	2 Poor	Moderate		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Significant lean. Whole tree failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
145	Ponderosa Pine 0	49.0		49.0	3 Fair	2 Poor	High		No reasonable mitigation option would significantly reduce risk & maintain health.
Notes/ Defects	Significant hip canker at 65'. Significant lean to the East. 65' top failure is probable. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
147	Ponderosa Pine	49.0		49.0	3 Fair	3 Fair	Moderate		Advanced inspection of root crown recommended if tree is retained.
<b>Notes/ Defects</b>	Canker at root crown. Perhaps from Western gall rust. Some Western gall rust present. Whole tree failure is possible. If failure were to occur it would have a high likelihood of striking the lines. The consequences would likely be severe.								



Tree	Species	DBH (in)	Drip/Area	CRZ (ft)	Vigor	Structure	Risk	Pres. Value	Recommendations
190	Atlas Cedar <i>Cedrus atlantica</i>	52.0		52.0	4 Good	3 Fair	Moderate		Reduce branches and prune out dead, install 3 cables, residual risk would be low.
<b>Notes/ Defects</b>	With pole at current location, 12' of clearance off of conductor would require removal or heavy reduction of the main leader. 4' of clearance with no over hang can be attained. Terminal growth is slow. Can pole guy lines be adjusted by inches? Branch failure is possible. If failure were to occur it would have a low likelihood of striking the lines and a high likelihood of striking a car. The consequences could be severe.								

